

Alton

Alton Traffic Circle: NH 11 Intersection with NH 28 and New Durham Road

Project No. 14121-A

April 11, 2007

Agenda

- Introduction
- History
- Existing Conditions
- Alternatives
- Roundabout Info

History

- Alton Circle was originally part of the Barnstead – Alton NH 28 Improvement project.
- Rec'd Federal ear-marked funds in 2005 for \$2.45 Million
- Will be separate project scheduled for FY 2009

Existing Condition



Existing Condition

- Circle was constructed in 1962
 - Some entrances yield and others do not, causes confusion.
 - Size and shape relate to higher speeds
 - Not very pedestrian or bike friendly
- Posted Speed Limit 30 mph
- ADT = 35,000 +/- (2030 summer)
- Accidents = 23 (1999-2005)

Alternatives

- No Build
 - Signals
 - Roundabout
 - Modify Existing
 - Other Options?
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- Either signals or a roundabout will work equally well, it is our policy to investigate both options.

Signals

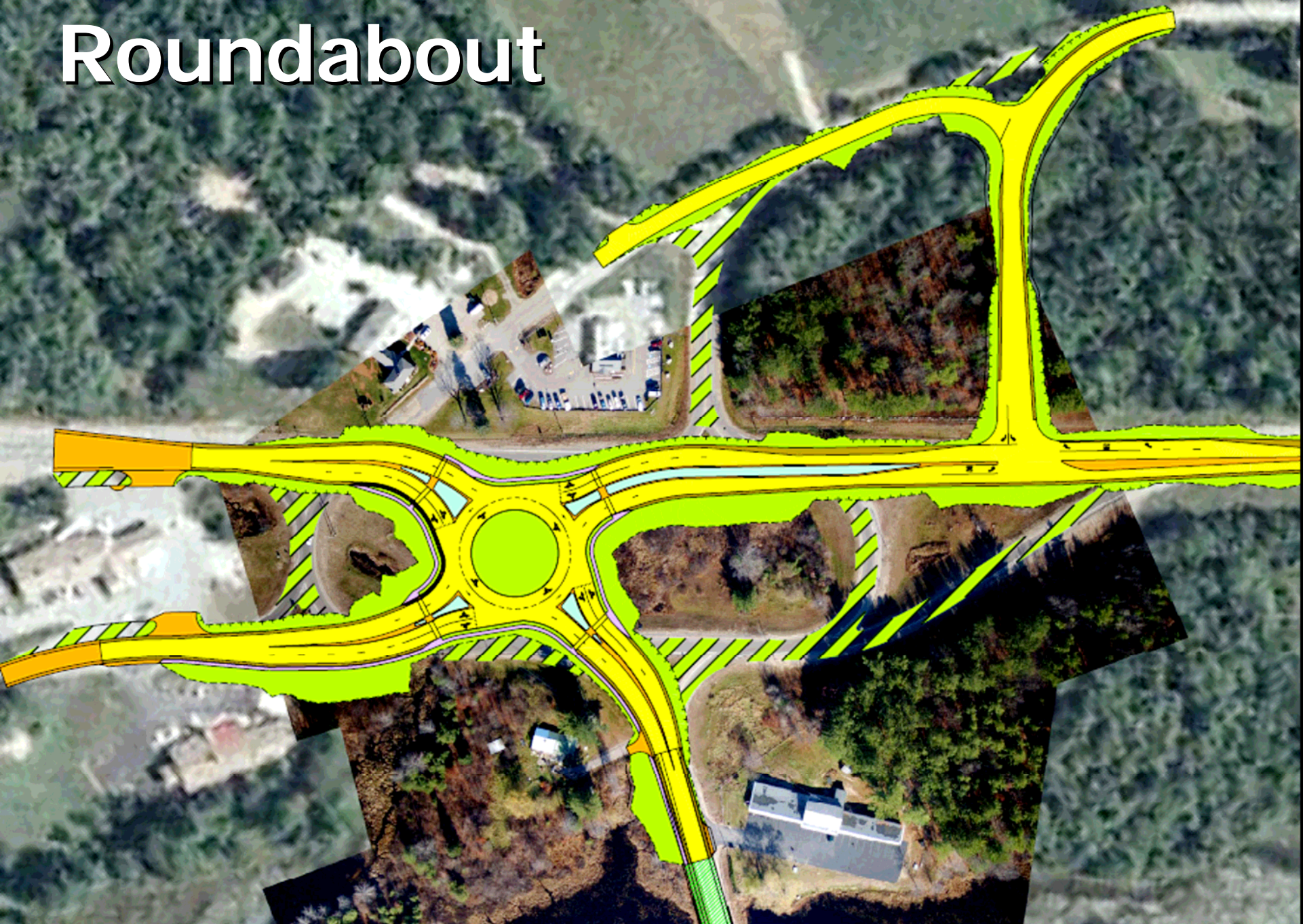
- NH 11
 - 6 Lanes Wide
 - Exclusive Left Turn Lanes
 - 2 Through Lanes in Each Direction
- NH 28
 - 4 Lane Approach to NH 11
 - Dual Left Turn Lanes
- New Durham Road
- Can be Coordinated w/new signal
- Designed for 20 year service life

Signal Plan

Roundabout

- NH 28/11
 - 200' Diameter Circle
 - 2 Lane Approach in Each Direction
 - Will work for all vehicles
- New Durham Road
- Designed for 20 year service life

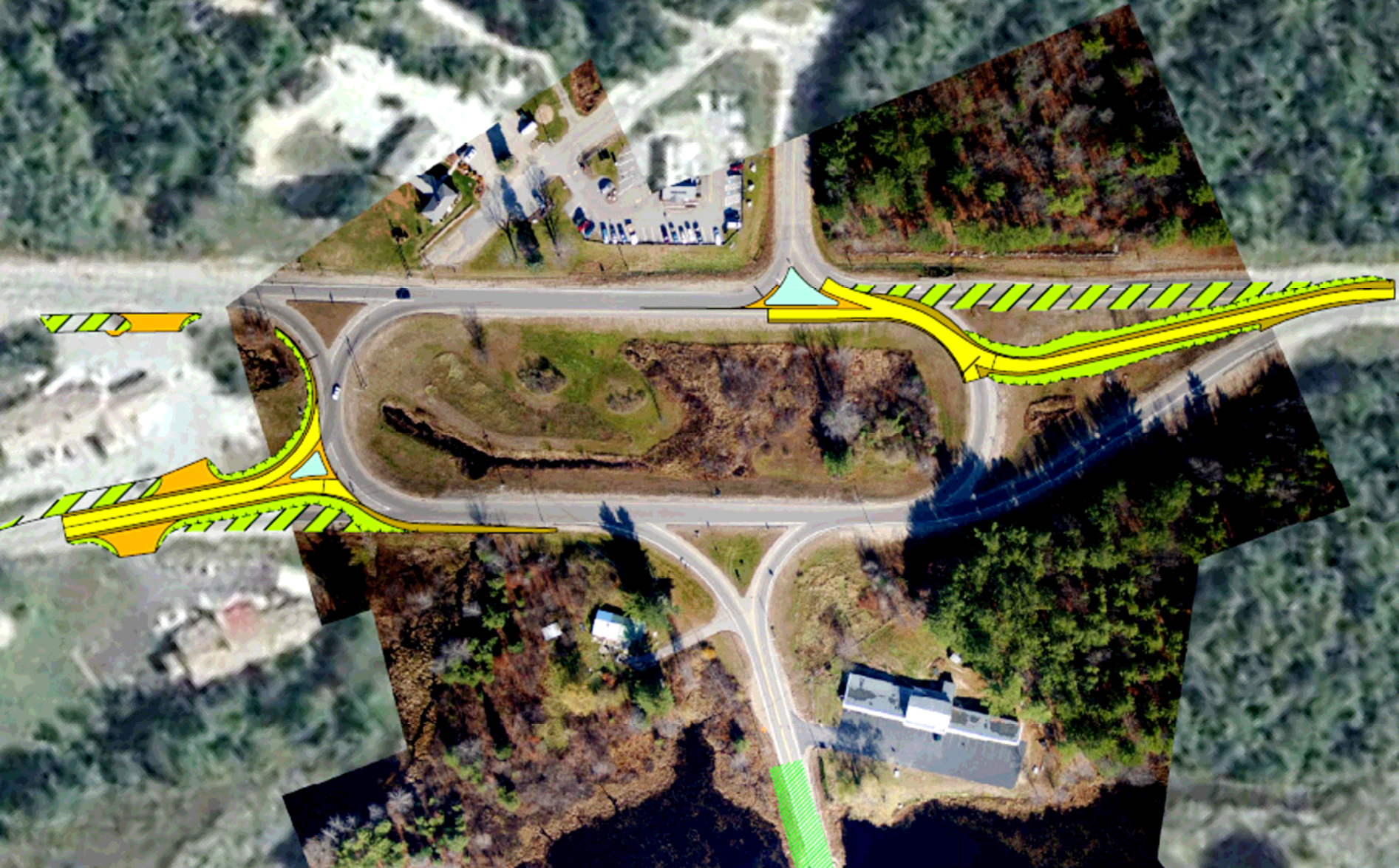
Roundabout



Modify Existing Circle

- NH 28/11
 - Maintain existing circle
 - Modify Approaches to slow traffic
 - All entering traffic yields
- No improvement in capacity

Modify Existing Circle



Costs

- Sidewalks – Town Maintenance
- No Town Funds currently
- Cost: \$2,450,000
 - For either Signal or Roundabout
- Cost: \$1,000,000
 - Modify Existing Circle

Schedule

Schedule:

- Public Meetings/Hearing this Summer
- Final Design 2008-2009
- Construction 2010

Thank You